

**INFORMATION SYSTEM DESIGN IN SDIT MIFTAHUL JANNAH
BASED ON WEB USING WORDPRESS**



**Submitted As A Partial Fulfillment Of The Requirements For Completing Strata 1
In Informatics Department In Faculty Of Communication And Informatics**

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MUHAMMADIYAH UNIVERSITY OF SURAKARTA
2017**

APPROVAL

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Publication Article

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ACCEPTANCE

**INFORMATION SYSTEM DESIGN IN SDIT MIFTAHUL JANNAH BASED ON
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Accepted by the board of examiner
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On April 2017

The board of examiners :

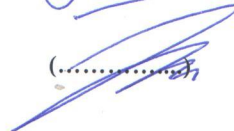
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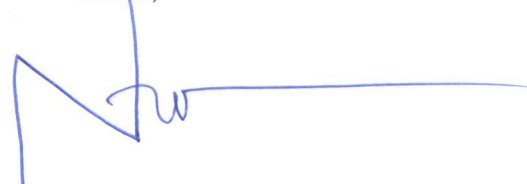


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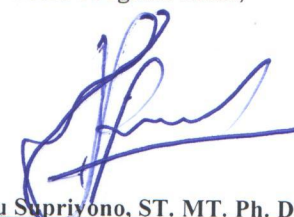
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Abstrak

Sekolah Dasar Islam Terpadu Miftahul Jannah yaitu Sekolah Dasar yang menonjolkan unsur islami didalam mata pelajarannya, Sekolah Dasar islam terpadu ini masih satu yayasan dengan PAUD dan TK yaitu Yayasan Miftahul Jannah. SDIT Miftahul Jannah sudah berdiri sejak 2012, sebelum mendirikan SDIT sudah berdiri TK dan PAUD. Berjalannya waktu banyak permintaan dari orang tua calon murid untuk mengupdate cara promosi SDIT Miftahul Jannah dengan memerlukan media online misalkan website, sehingga memudahkan untuk mencari informasi sekolahan untuk mempromosikan sekolah kepada calon Orang Tua Siswa. Oleh sebab itu penulis membuat sistem informasi berbasis website untuk SDIT Miftahul Jannah sehingga Orang Tua Siswa lebih dipermudah dalam mencari informasi. Dalam rancangan website SDIT Miftahul Jannah menggunakan salah satu aplikasi yang sering dipakai yaitu wordpress. Website difokuskan untuk melihat informasi SDIT Miftahul Jannah. Diadakannya penelitian ini untuk menyediakan sistem informasi bagi SDIT Miftahul Jannah secara *online*. Kualitatif diambil untuk penelitian tersebut yang merupakan pengumpulan data secara langsung pada sekolahan SDIT Miftahul Jannah. Pengujian yang dilakukan mampu menunjukkan adanya sistem informasi berbasis website sekolahan sangat terbantu didalam menyampaikan program dan informasi yang dapat diakses disemua tempat, sehingga website mampu menyelesaikan masalah yang ada.

Kata Kunci: Website, SDIT Miftahul Jannah, Wordpress.

Abstract

Miftahul jannah integrated Islamic elementary school is an elementary school that accentuating the Islamic in their subject. This integrated Islamic school still in one foundation with PAUD (early childhood education) and TK (kindergarten) which is miftahul jannah foundation. Sdit miftahul jannah has been established since 2012, there has been stood a kindergarten and PAUD before SDIT. As time goes by, a lot of request from parents of prospective pupils to update SDIT miftahul jannah promotion with

online media for example website, that could be easier to find information about the school. Hereby, the author build an information system based on website to facilitated parents of prospective pupils to find information about sdit miftahul jannah. Sdit miftahul jannan web design using one of the most commonly used applications is wordpress. Website focused to see the information of sdit miftahul jannah. This research was conducted to provide online information system of sdit miftahul jannah. Qualitative methods use to collect data from sdit miftahul jannah. The tests performed were able to show the school information based on website very helpful to share program and information which could access from everywhere, so the website was able to resolve any problems.

Keywords: Website, SDIT Miftahul Jannah, Wordpress.

1. INTRODUCTION

Intregrated Islamic elementary school (SDIT) Miftahul Jannah is one of school that use the traditional promotion, banner and face to face to promote their school. A lot of parents who do not know about SDIT miftahul jannah because of lack of promotion. This research is to build an application that facilitate parents to find school for their children. Furthermore, in the application shows excellent program and extracurricular information. School information application can be used by teacher as admin who have password and parents can access it.

Some research has been done by Al Fedaghi (2011), Wibowo (2007), Utama (2014), Supriyono, Heru (2016) and Ferolin, et.al. (2016) with each description as follows :

Web is interface media that build to give comfort and convenience in information access that available on the internet. Web development is inseparable from the development of systems that are inside, one of them is login system that now a concern for web developers, which comfort and security of web created along with the web development. Granting access rights is the basic of login system, where are every users can or can not to access information depend on the rights that they received. (Al Fedaghi 2011)

According to research by Supriyono (2016) Observation and interview with headmasters, teachers and administrative employees results showed that one of main

problems faced by SMP Muhammadiyah 1 Kartasura and SMA Muhammadiyah 4 Kartasura is the do not have a representative school website. Based on this observation, after making discussion with headmasters, the community services team proposed an implementation of school website and train oneofchosen teacher to manage implemented website. The outcomes of the community service activities are involving a school website for SMP Muhammadiyah 1 Kartasura and SMA Muhammadiyah 4 Kartasura and scientific publication draft. The contribution of each school is including providing information which will be uploaded to the website, providing fee for domain and hosting cost, and providing facilities for administrator training. The duration of this commuity services is three months. The results of the community services is both SMP Muhammadiyah 1 Kartasura dan SMA Muhammadiyah 4 Kartasura are now have representative website for their promotion and administative activities.

According to research by Wibowo (2007) entitled Sistem Informasi akademik SMA muhammadiyah I Karanganyar explain that developments so great when the power of the computer used to crate an information system of the school and the academic sphere. Its needed system information that reliable in dta processing speed to obtain information that is accurate to a required at SMA muhammadiyah I karangnyar, especially in the areas of curriculum. From the observation and thoughts, the writer made a software systems engineering in the academic field in school.

According to Ferolin, et.al. (2016) web based application to help student choice from higher education, which will be able to help student know what colleges and universities suggested to them (based on results of tests on their interest). Some activities somehow solve the problems that identified through development of web based application integrated with interest test.

According to Utama (2014) in his research about web-based academic information system that its design using PHP, MySQL and Dreamweaver as the media to writing program code. Website focused on study plan card (KRS) fulfillment because its facilitate students when they fulfillment the study plan card and only be able to access by specifics users that is students and admin.

2. METHODS

Integrated Islamic elementary school (SDIT) miftahul jannah website is design using qualitative methods that is collect data, select the information in SDIT miftahul jannah, and then the development of website made with reference to the system development life cycle (SDLC) with waterfall approach.

2.1 Designing Use-case Diagram

Use-case diagram shows a picture of the functionality of the user's perspective that show the interaction between system is expected in goal.

2.1.1 Use-case for Admin

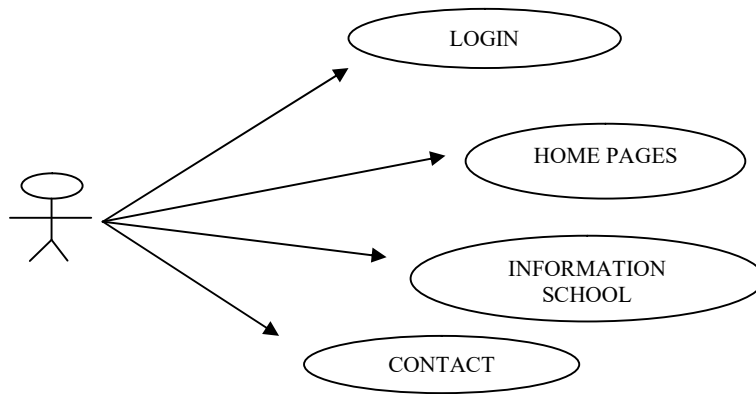


Figure 1 Use-case for Admin

Figure 1 explains :

- (1) Admin doing login to pages
- (2) The addition of the latest news on SDIT Miftahul Jannah
- (3) Add or enter a list of information about SDIT Miftahul Jannah
- (4) Edit contacts that can be contacted on SDIT Miftahul Jannah

2.1.2 Use-case for User

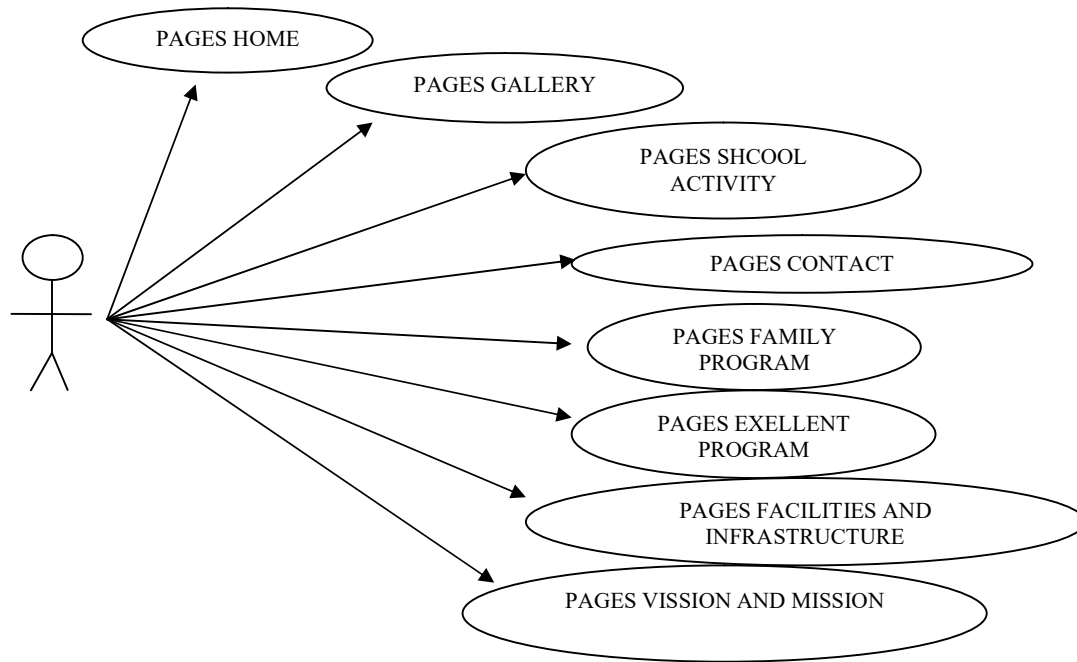


Figure 2 Use-case for User

Figure 2 explains :

- (1) Users do not need to login first, can directly see the website SDIT Miftahul Jannah
- (2) Can directly see gallery SDIT Miftahul Jannah
- (3) Can directly see contact SDIT Miftahul Jannah
- (4) Can directly see family program SDIT Miftahul Jannah
- (5) Can directly see excellent program SDIT Miftahul Jannah
- (6) Can directly see Facilities and infrastructure SDIT Miftahul Jannah
- (7) Can directly see mission and vision SDIT Miftahul Jannah

2.2 Device used for design

There are the specification that used when do the website testing phase that is computer with specification : Processor InterCore i5, Memory RAM 4GB, the software take in : Microsoft Windows 8, Mozilla Firefox, CMS Wordpress 3.

2.3 Main design of website SDIT Miftahul Jannah

Main design of website shows in figure 3 .

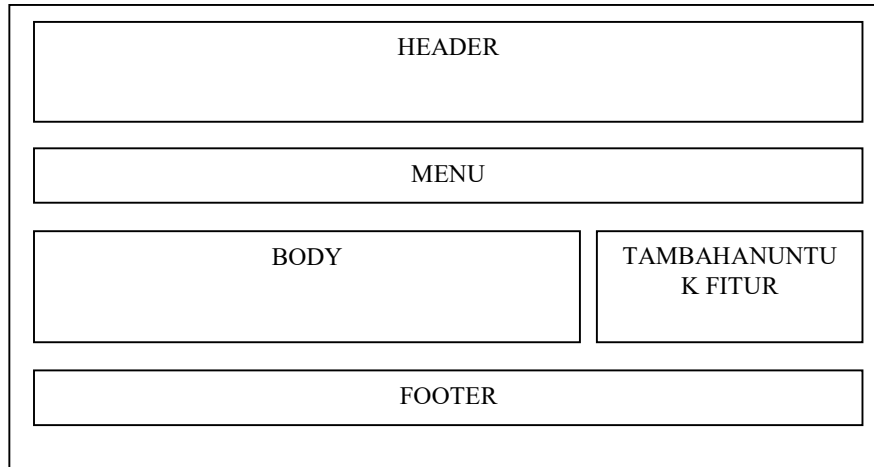


Figure 3 Main design of website SDIT Miftahul Jannah

3. RESULT AND DISCUSSION

The result could be access in www.sditmiftahuljannah.com access in admin and user pages.

3.1 Admin Pages

Admin task are school data management

3.1.1 Login For Administrator

Contains a Username and Password for admin. Show in figure 4.

The screenshot shows the login interface for the administrator. At the top center is a blue circular logo with a white 'W'. Below the logo is a white rectangular form with the following elements:

- A label "Username or Email Address" above a text input field.
- A label "Password" above a text input field.
- A checkbox labeled "Remember Me" below the password field.
- A blue "Log In" button to the right of the "Remember Me" checkbox.

Below the form, there is a link "Lost your password?" and a link "— Back to SDIT Miftahul Jannah".

Figure 4 Login for Administrator

3.1.2 Pages To Post

Posting can be added in the menu, delete, and edit. Shows in figure 5.

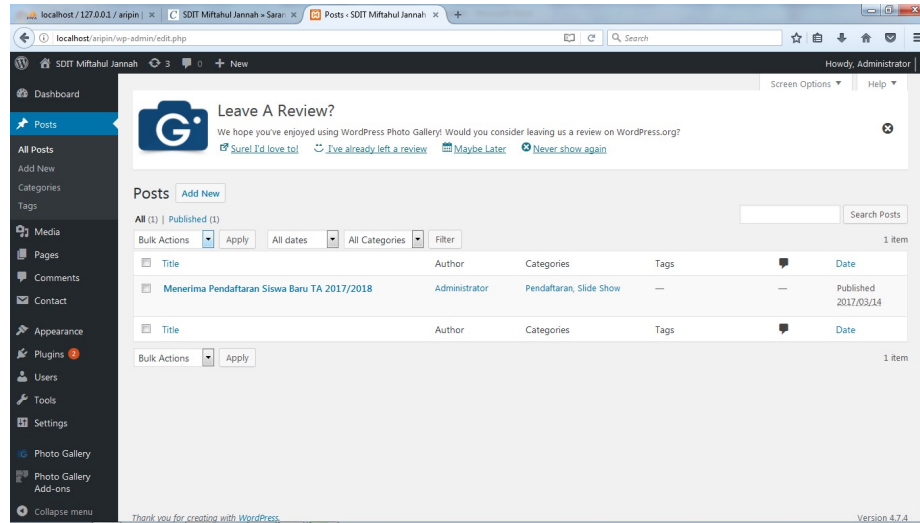


Figure 5 Pages to Post

3.1.3 Home Pages

Shows website menu of SDIT Miftahul Jannah. Shows in figure 6.



figure 6 Home pages

3.2 User Pages

Contains schools engaged in education

3.2.1 Pages Home

The appearance of SDIT Miftahul Jannah website contain the information about the school that engaged in education and islam. Shows in figure 7.

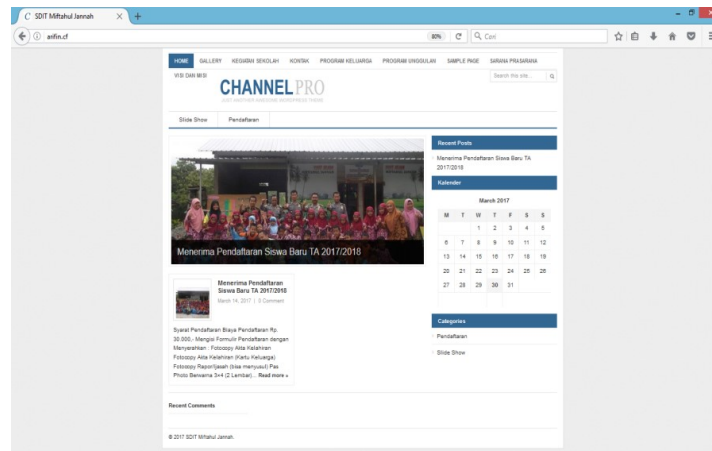


Figure 7 Pages Home

3.2.2 Pages Gallery

The gallery appearance of SDIT Miftahul Jannah. Shows in figure 8.

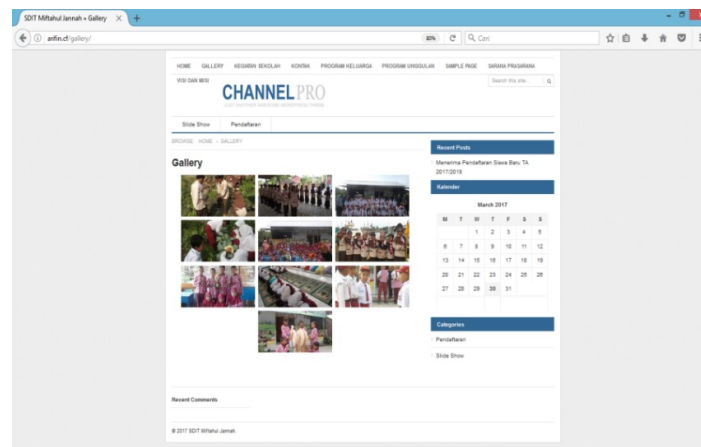


Figure 8 Pages Gallery

3.2.3 Pages School Activity

The school activity appearance of SDIT Miftahul Jannah. Shows in figure 9.

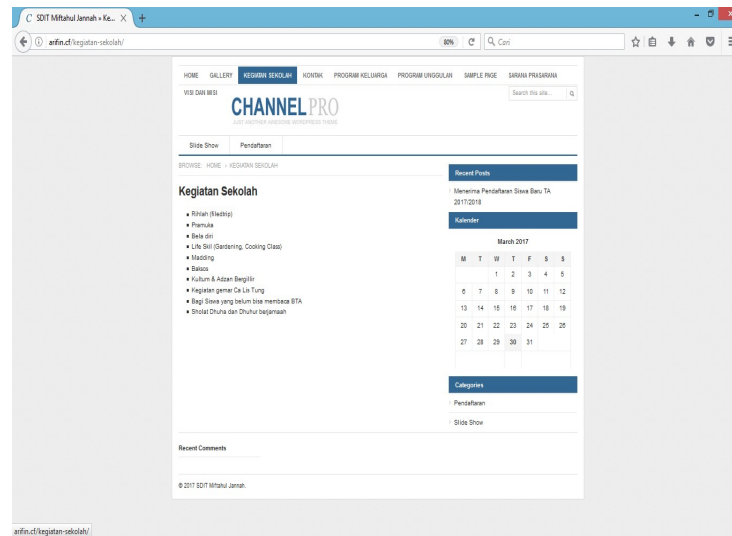


Figure 9 Pages School Activity

3.2.4 Pages Contact

The contact appearance of SDIT Miftahul Jannah. Shows in figure 10.

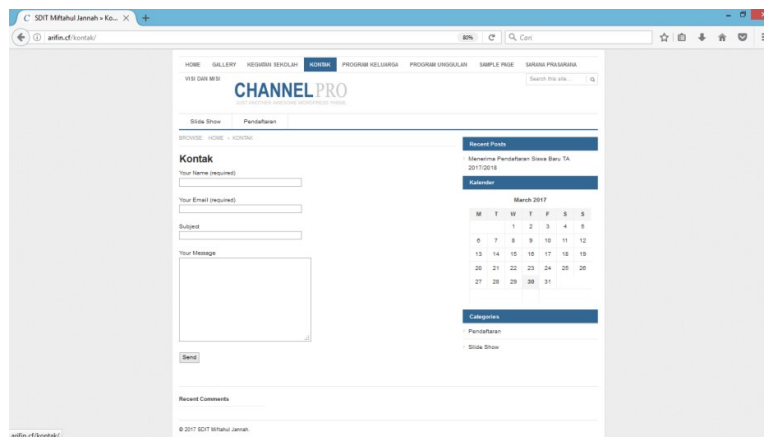


Figure 10 Pages Contact

3.2.5 Pages Family Program

The family program appearance of SDIT Miftahul Jannah. Shows in Figure 11.

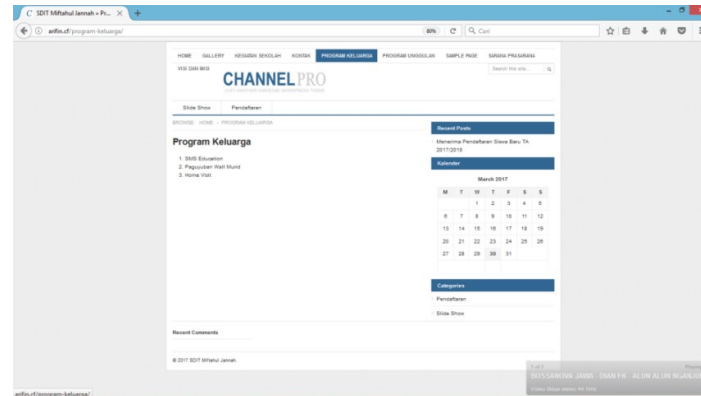


Figure 11 Pages Family Program

3.2.6 Pages Excellent Program

The excellent program appearance of SDIT Miftahul Jannah. Shows in figure 12.

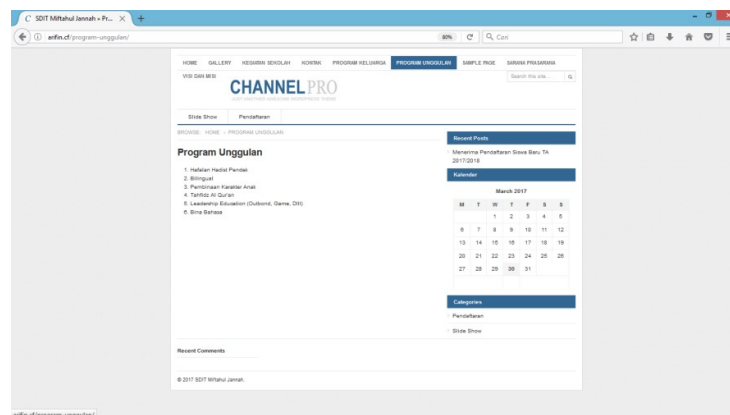


Figure 12 Pages Excellent Program

3.2.7 Pages Facilities and Infrastructure

The facilities and infrastructures appearance of SDIT Miftahul Jannah. Shows in figure 13.

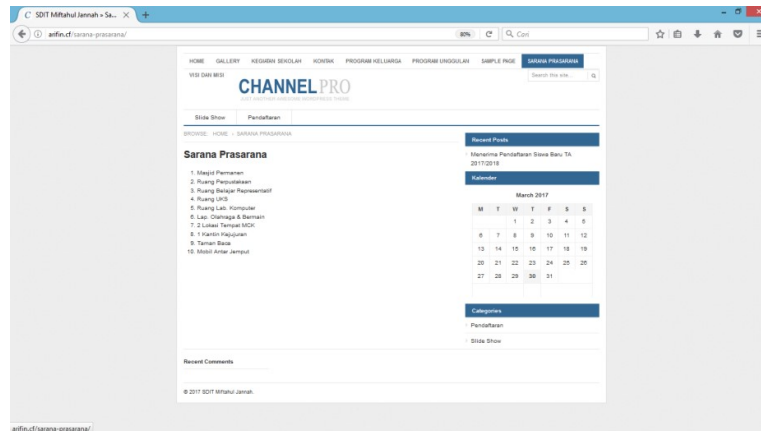


Figure 13 Pages Facilities and Infrastructure

3.2.8 Pages Vision and Mission

The vision and mission of SDIT Miftahul Jannah. Shows in figure 14.

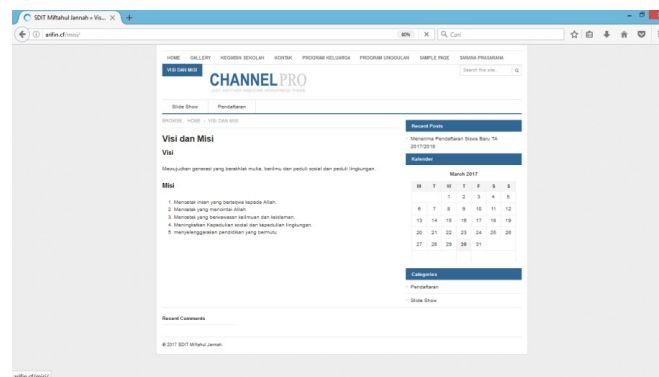


Figure 14 Pages vision and Mission

3.3 Discussion

3.3.1 Website Testing in Various Browser

Initial testing is accessing address www.sditmiftahuljannah.com through MozillaFirefox, an error not found. Shows in figure 15.



Figure 15 testing Mozilla Firefox

The next is access address www.sditmiftahuljannah.com through Internet Explorer, an error not found. Shows in figure 16.

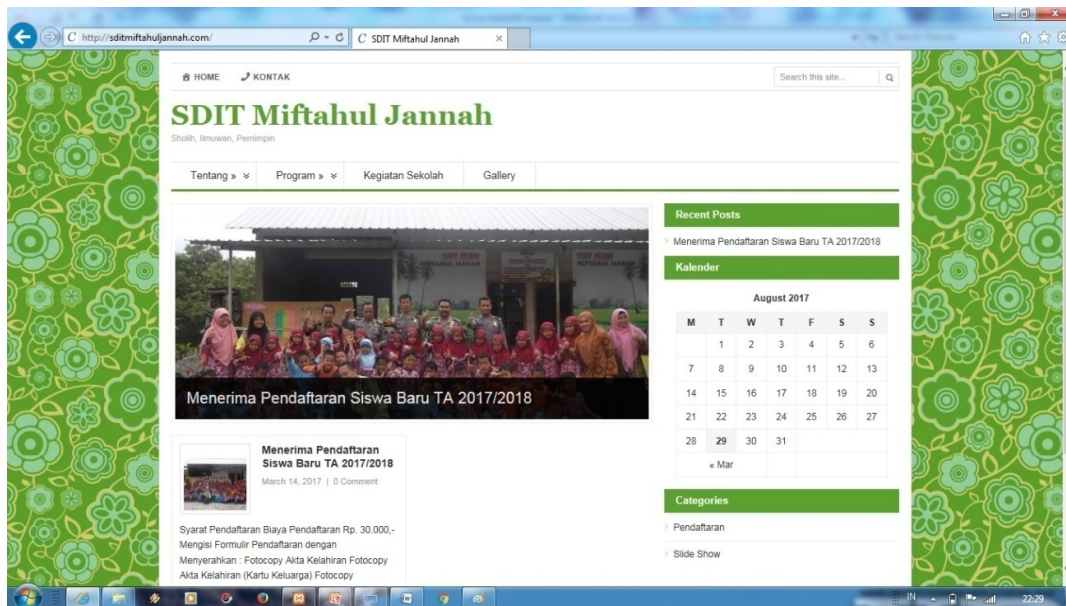


Figure 16 testing Internet Expoler

Last testing is accessing address www.sditmiftahuljannah.com through Google Chrome, no access found. Shows in figure 17.

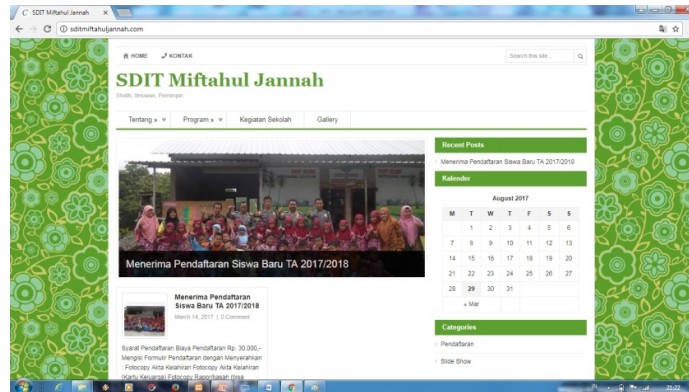
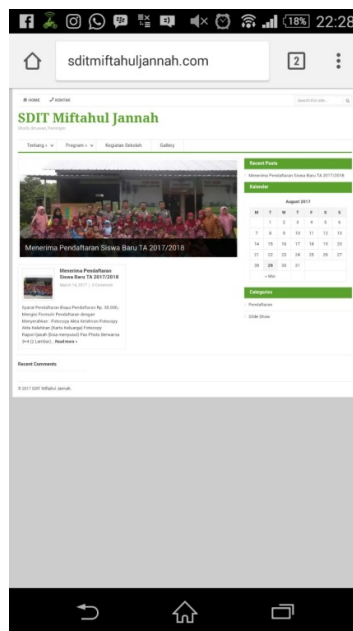


Figure 17 testing google chrome

3.3.2 Website Testing in a Variety of Display

Responsive is a features that SDIT Miftahul Jannah website is accessible in all browsers. Shows in figure 18.



Testing with smartphone there is not much change in SDIT Miftahul Jannah website.

3.3.3 Testing by User

Wahyu said, website SDIT Miftahul Jannah is good for the color form, as well as for the information inside, the layout is neat, easy to do for beginners.

Bagus said, for information website SDIT Miftahul Jannah display is very interesting, all the existing menu already represents all the information that is in the school.

3.3.4 Result Before and After the Website at SDIT Miftahul Jannah

SDIT miftahul jannah after and before having website

No	After	Before
1	SDIT Miftahul Jannah website has some information about school menu, so can give SDIT Miftahul Jannah information to prospective parents of students	Unavailability of SDIT information on the internet, and little information that was distributed through brochure in parents of students
2	Prospective parents assisted by the existence of a website-based information system that live just enter www.sditmiftahuljannah.com address that directly accessible via smartphone	Prospective parents are difficult to obtain information from SDIT Miftahul Jannah because they still use brochures to promote school

4. CONCLUSION

Designing information system based on SDIT Miftahul Jannah website creating using wordpress cms application. Trials are conducted directly against teachers and employees of SDIT Miftahul Jannah. With the website SDIT delivery of news about the school is very helpful delivery can be accessed through the address www.sditmiftahuljannah.com not only with teachers and employees of SDIT, trials are also conducted with guardians and the community because the information they need at any time can be quickly

5. ACKNOWLEDGMENT

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